Exhibit 1
USSN 10/532,067
GRUE-004

nt 3553-5280 of X02919

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3553            ttgaattc acttaataac ccaaagcatg tattacaaaa cttttctgtt
3601 ttctttaaca aaaaaaaaga agctgaaata gcagaaactg aaaacacatt agaaaacaca
3661 aaaatatttat tgaaacatta taaaggactt gttaaatatt ataatggtga atcatctcca
3721 ttaaaaactt taagtgaaga atcaattcaa acagaagata attatgccag tttagaaaac
3781 tttaaagtat taagtaaatt agaaggaaaa ttaaaggata atttaaattt agaaaagaaa
3841 aaattatcat acttatcaag tggattacat catttaattg ctgaattaaa agaagtaata
3901 aaaaataaaa attatacagg taattctcca agtgaaaata atacggatgt taacaatgca
3961 ttagaatctt acaaaaaatt tctcccagaa ggaacagatg ttgcaacagt tgtaagtgaa
4021 agtggatccg acacattaga acaaagtcaa ccaaagaaac cagcatcaac tcatgtagga
4081 gcagagtcta acacaataac aacatcacaa aatgtcgatg atgaagtaga tgacgtaatc
4141 atagtaccta tatttggaga atccgaagaa gattatgatg atttaggaca agtagtaaca
4201 ggagaagcag taactccttc cgtaattgat aacatacttt ctaaaattga aaatgaatat
4261 gaggttttat atttaaaacc tttagcaggt gtttatagaa gtttaaaaaa acaattagaa
4321 aataacgtta tgacatttaa tgttaatgtt aaggatattt taaattcacg atttaataaa
4381 cgtgaaaatt tcaaaaatgt tttagaatca gatttaattc catataaaga tttaacatca
4441 agtaattatg ttgtcaaaga tccatataaa tttcttaata aagaaaaaag agataaattc
4501 ttaagcagtt ataattatat taaggattca atagatacgg atataaattt tgcaaatgat
4561 gttcttggat attataaaat attatccgaa aaatataaat cagatttaga ttcaattaaa
4621 aaatatatca acgacaaaca aggtgaaaat gagaaatacc ttcccttttt aaacaatatt
4681 gagaccttat ataaaacagt taatgataaa attgatttat ttgtaattca tttagaagca
4741 aaagttctaa attatacata tgagaaatca aacgtagaag ttaaaataaa agaacttaat
4801 tacttaaaaa caattcaaga caaattggca gattttaaaa aaaataacaa tttcgttgga
4861 attgctgatt tatcaacaga ttataaccat aataacttat tgacaaagtt ccttagtaca
4921 ggtatggttt ttgaaaatct tgctaaaacc gttttatcta atttacttga tggaaacttg
4981 caaggtatgt taaacatttc acaacaccaa tgcgtaaaaa aacaatgtcc acaaaattct
5041 ggatgtttca gacatttaga tgaaagagaa gaatgtaaat gtttattaaa ttacaaacaa
5101 gaaggtgata aatgtgttga aaatccaaat cctacttgta acgaaaataa tggtggatgt
5161 gatgcagatg ccaaatgtac cgaagaagat tcaggtagca acggaaagaa aatcacatgt
5221 gaatgtacta aacctgattc ttatccactt ttcgatggta ttttctgcag ttcctctaac
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                    MKIIFFLCSFLFFIINTQCVTHESYQELVKKLEALEDAVLTGYS
LFQKEKMVLNEGTSGTAVTTSTPGSKGSVASGGSGGSVASGGSVASGGSVASGGSVAS
GGSGNSRRTNPSDNSSDSDAKSYADLKHRVRNYLLTIKELKYPQLFDLTNHMLTLCDN
IHGFKYLIDGYEEINELLYKLNFYFDLLRAKLNDVCANDYCQIPFNLKIRANELDVLK
KLVFGYRKPLDNIKDNVGKMEDYIKKNKKTIENINELIEESKKTIDKNKNATKEEEKK
KLYQAQYDLSIYNKQLEEAHNLISVLEKRIDTLKKNENIKELLDKINEIKNPPPANSG
NTPNTLLDKNKKIEEHEKEIKEIAKTIKFNIDSLFTDPLELEYYLREKNKNIDISAKV
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KFINEIKEKIKIEKKKIESDKKSYEDRSKSLNDITKEYEKLLNEIYDSKFNNNIDLTN
FEKMMGKRYSYKVEKLTHHNTFASYENSKHNLEKLTKALKYMEDYSLRNIVVEKELKY
YKNLISKIENEIETLVENIKKDEEQLFEKKITKDENKPDEKILEVSDIVKVQVQKVLL
MNKIDELKKTQLILKNVELKHNIHVPNSYKQENKQEPYYLIVLKKEIDKLKVFMPKVE
SLINEEKKNIKTEGQSDNSEPSTEGEITGQATTKPGQQAGSALEGDSVQAQAQEQKQA
QPPVPVPVPEAKAQVPTPPAPVNNKTENVSKLDYLEKLYEFLNTSYICHKYILVSHST
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KEMVCNLYKLKDNDKIKNLLEEAKKVSTSVKTLSSSSMQPLSLTPQDKPEVSANDDTS
HSTNLNNSLKLFENILSLGKNKNIYQELIGQKSSENFYEKILKDSDTFYNESFTNFVK
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QIKKLTLLKEQLESKL**NSLNNPKHVLQNFSVFFNKKKEAEIAETENTLENTKILLKHY
KGLVKYYNGESSPLKTLSEESIQTEDNYASLENFKVLSKLEGKLKDNLNLEKKKLSYL
SSGLHHLIAELKEVIKNKNYTGNSPSENNTDVNNALESYKKFLPEGTDVATVVSESGS
DTLEQSQPKKPASTHVGAESNTITTSQNVDDEVDDVIIVPIFGESEEDYDDLGQVVTG
EAVTPSVIDNILSKIENEYEVLYLKPLAGVYRSLKKQLENNVMTFNVNVKDILNSRFN
KRENFKNVLESDLIPYKDLTSSNYVVKDPYKFLNKEKRDKFLSSYNYIKDSIDTDINF
ANDVLGYYKILSEKYKSDLDSIKKYINDKQGENEKYLPFLNNIETLYKTVNDKIDLFV
IHLEAKVLNYTYEKSNVEVKIKELNYLKTIQDKLADFKKNNNFVGIADLSTDYNHNNL
LTKFLSTGMVFENLAKTVLSNLLDGNLQGMLNISQHQCVKKQCPQNSGCFRHLDEREE
CKCLLNYKQEGDKCVENPNPTCNENNGGCDADAKCTEEDSGSNGKKITCECTKPDSYP
LFDGIFCSSSN**FLGISFLLILMLILYSFI
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Bold = C-terminal fragment used in Yang (575 amino acids; amino acids 1047-1621; encoded by nt 3553-5280 of X02919)